

CLAIMS

1. A door mounted on a structure for displacement
between an open position and a closed position
5 with respect to a door aperture in the structure,
the door being connected to the structure by first
guide means, which constrains a leading edge of
the door, with respect to movement towards the
open position, to execute an arcuate movement
10 about an axis which is fixed to the structure, and
by second guide means, which constrains a trailing
edge of the door to execute a linear movement
substantially parallel to the plane of the door
aperture.
- 15 2. A door as claimed in claim 1, in which the first
guide means comprises a door control lever which
is mounted at one end for pivoting movement about
an axis fixed to the structure, and is connected
20 at the other end for pivotable movement relative
to the door.
3. A door as claimed in claim 1 or 2, in which the
axis of arcuate movement extends upwardly.
- 25 4. A door as claimed in claim 2 or 3, in which drive
means is provided for pivoting the door control
lever relatively to the structure.
- 30 5. A door as claimed in claim 4, in which the drive
means acts on a drive element which is rigidly
connected to the door control lever.

6. A door as claimed in any one of claims 2 to 5, in which the door control lever is one of two door control levers which are rigidly mounted on a common shaft which is rotatable about the axis.
- 5 7. A door as claimed in claim 6, in which the door control levers are connected to the door at the same perpendicular distance as each other from the axis.
- 10 8. A door as claimed in any one of the preceding claims, in which the second guide means comprises a guide element mounted adjacent the trailing edge of the door, the guide element engaging a guide track which is fixed to the structure.
- 15 9. A door as claimed in claim 8, in which the guide track extends parallel to the door opening.
- 20 10. A door as claimed in claim 8 or 9, in which the guide track lies generally in a plane which is perpendicular to the axis of arcuate movement.
- 25 11. A door as claimed in any one of claims 8 to 10, in which the guide track is one of two parallel, or almost parallel, guide tracks which are spaced apart in the direction of the axis of arcuate movement.
- 30 12. A door as claimed in claim 11, in which the guide tracks lie in or close to a common plane which is inclined to the axis of arcuate movement.

13. A door as claimed in any one of the preceding claims, in which the door is curved about a generally horizontal axis.
- 5 14. A door as claimed in any one of the preceding claim, in which the structure is a vehicle body having inner and outer skins.
- 10 15. A door as claimed in claim 14, in which the axis of arcuate movement extends between the skins.
- 15 16. A door as claimed in claim 14 when appendant to claim 4, in which the drive means is disposed between the skins.
17. A door as claimed in claim 16, in which the or each drive control lever projects through the outer skin of the vehicle body when the door is in the open position.
- 20 18. A door as claimed in any one of claims 14 to 17 when appendant to claim 8, in which the guide track, or one of the guide tracks, is disposed in a channel formed in the outer skin.
- 25 19. A door as claimed in any one of claims 14 to 17 when appendant to claim 8, in which the guide track, or one of the guide tracks, is disposed below a floor panel which is secured to the vehicle structure.
- 30 20. A vehicle having a door in accordance with any one of the preceding claims.